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NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

12/30/2008

KLARQUIST SPARKMAN, LLP 121 SW SALMON STREET SUITE 1600 PORTLAND, OR 97204 EXAMINER

LEUNG, WAI LUN

ART UNIT PAPER NUMBER

2613 DATE MAILED: 12/30/2008

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/801.481	03/15/2004	Christopher R. Doerr	1505-67922-01	1207	

TITLE OF INVENTION: LINEAR OPTICAL SAMPLING METHODS AND APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	03/30/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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PORTLAND, O	R 97204							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR	F	ATTOF	RNEY DOCKET NO.	CONFIRMATION NO.
10/801,481	03/15/2004		Christopher R. Doe	rr		15	505-67922-01	1207
ITLE OF INVENTION	: LINEAR OPTICAL SA	AMPLING METHODS A						
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nonprovisional	NO	\$1510	\$0 •	_	\$0		\$1510	03/30/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS					
LEUNG, V	WAI LUN	2613	398-016000					
Change of corresponde FR 1.363). Change of corresp Address form PTO/SI "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	(1) the names of u or agents OR, alter (2) the name of a s registered attorney	E a single firm (having as a member a ney or agent) and the names of up to ent attorneys or agents. If no name is						
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on the Ta substitute for filing (B) RESIDENCE: (C	ne pa g an a	tent. If an assignee assignment. and STATE OR CO	UNT	RY)	cument has been filed for up entity
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□ Advance Order -	# of Copies		The Director is he overpayment, to D	reby Depos	authorized to charge it Account Number	the r	equired fee(s), any def (enclose an	iciency, or credit any extra copy of this form).
a. Applicant claim	tus (from status indicated s SMALL ENTITY statu	is. See 37 CFR 1.27.			<u> </u>		TTY status. See 37 CF	
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10/801,481	03/15/2004	Christopher R. Doerr	1505-67922-01	1207	
24197 7:	590 12/30/2008		EXAMINER		
KLARQUIST SI	PARKMAN, LLP	LEUNG, WAI LUN			
121 SW SALMON	N STREET	ART UNIT	PAPER NUMBER		
SUITE 1600 PORTLAND, OR 97204			2613 DATE MAILED: 12/30/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 718 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 718 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
Notice of Allowability	10/801,481 Examiner	DOERR ET AL. Art Unit	
roduce of Amowasinty	Examiner	Art Onit	
	DANNY W. LEUNG	2613	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commits in the commits of the commits	n this application. If not included unication will be mailed in due cour	se. THIS
1. X This communication is responsive to election filed 11/24/20	<u>008</u> .		
2. X The allowed claim(s) is/are 16,17 and 30-35(renumbered a	as 1-8).		
3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have	e been received.	.,	
2. Certified copies of the priority documents have	• • • • • • • • • • • • • • • • • • • •		
3. Copies of the certified copies of the priority do	cuments have been receive	d in this national stage application t	rom the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the require	ments
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			CE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	son's Patent Drawing Revie	w (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	,		
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	s Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			k) of
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			the
Attachment(s)	5 🗖 Nation of In	Samuel Detaut Application	
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 		iformal Patent Application ummary (PTO-413),	
 Information Disclosure Statements (PTO/SB/08), 	Paper No.	/Mail Date Amendment/Comment	
Paper No./Mail Date			
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		Statement of Reasons for Allowan	ce
	9. 🗌 Other	_ '	
	/Kenneth N Va	. •	
	Supervisory Pa	tent Examiner, Art Unit 2613	

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Art Unit: 2613

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

2. Claims 6, 29, 36-51 have been cancelled.

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance:

Regarding claim 16, **Delavaus** (US5060312) discloses An optical sampling system (fig 2), comprising: a data input to receive a test signal (fig 2 Es(t)), a sampling pulse input to receive a sampling pulse (fig 2, Elo(t)), an optical system configured to produce a first combination of the test signal and the sampling pulse having a first relative phase difference between the sampling pulse and the test signal (fig 2, 160 produces a combination of a mixture of the data and sampling pulses having relative phase difference created by phase shift 166), and to produce a second combination of the test signal and the sampling pulses (fig 2, 200 produce a second set of combinations),

a first balanced detector (fig 2, 132), and a second balanced detector (fig 2, 134), configured to receive the first combination having the first relative phase difference and the second combination having the second relative phase difference, respectively, and produce a first balanced signal and a second balanced signal, respectively (col 9, ln 32-52), and a processing

Page 3

system (fig 2, 130), configured to combine the first balanced signal and the second balanced signal (fig 2, summing IH(t) and IV(t) and output R(t)).

Delavaus does not disclose expressly having a retardation plate configured <u>at a location</u> as specified to receive the second combination and to modify a relative phase difference between the sampling pulse and the test signal so that the second combination has a second relative phase difference, wherein the second relative phase difference is different from the first relative phase difference (Delavaus's relative phase difference of the first combination and the second combination is the same).

Examiner found no motivation to modify **Delavaus**'s disclosure in such a way that would read on applicant's claim 16.

Prior art made of record does not teach an optical sampling system having a retardation plate configured at a location as specified to receive the second combination and to modify a relative phase difference between the sampling pulse and the test signal so that the second combination has a second relative phase difference, wherein the second relative phase difference is different from the first relative phase difference

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANNY W. LEUNG whose telephone number is (571)272-5504.

The examiner can normally be reached on 11:30am-9:00pm Mon-Thur.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Vanderpuye can be reached on (571) 272-3078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DANNY W LEUNG Examiner Art Unit 2613

/Kenneth N Vanderpuye/ Supervisory Patent Examiner, Art Unit 2613